

**2007 Compliance Monitoring  
Eastern Washington  
Field Forms**

**Eastern Washington Riparian Forms WAC 222-30**

<b>Form 1</b>	<b>Pre-survey Form</b>
<b>Form 2</b>	<b>Ponderosa Pine Timber Habitat Type</b>
<b>Form 3</b>	<b>Mixed Conifer Timber Habitat Type</b>
<b>Form 4</b>	<b>Inner Zone Harvest High Elevation Habitat Type</b>
<b>Form 5</b>	<b>Np or Ns RMZ</b>
<b>Form 6</b>	<b>A or B Wetland Management Zones and Forested Wetlands</b>

**Eastern and Western Washington Road Forms WAC 222-24**

<b>Form 7</b>	<b>Road Construction</b>
<b>Form 8</b>	<b>Road Maintenance</b>
<b>Form 9</b>	<b>Road Abandonment</b>
<b>Form 10</b>	<b>Landings</b>
<b>Form 11</b>	<b>Temporary and Permanent Crossings on Type N water</b>
<b>Form 12</b>	<b>Deleted from 2006</b>
<b>Form 13</b>	<b>Fords</b>
<b>Form 14</b>	<b>Post Survey Evaluation</b>

# Eastside Form #1 Pre-Survey (Optional)

<b>FPA #:</b>	<b>Date:</b>	<b>Ownership:</b>  SFLO / Industrial		
<b>DNR Survey Lead:</b>	<b>DOE Survey Rep:</b>	<b>WDFW Survey Rep:</b>	<b>Other Attendees:</b>  <b>Representing:</b>	<b>Other Attendees:</b>  <b>Representing:</b>
<b>Other Attendees:</b>  <b>Representing</b>	<b>Other Attendees:</b>  <b>Representing</b>			

**Information to be collected:** (to be determined pre-survey, check all that apply, attach and complete relevant form)

Use separate forms if needed for multiple activities

**RMZ**

\_\_\_\_\_ S or F: Ponderosa Pine – Form #2  
 \_\_\_\_\_ S or F: Mixed Conifer – Form #3  
 \_\_\_\_\_ S or F: High Elevation – Form #4  
 \_\_\_\_\_ N RMZ – Form #5  
 \_\_\_\_\_ Wetlands Form #6

**Road Activities:**

\_\_\_\_\_ Road Construction – Form #7  
 \_\_\_\_\_ Road Maintenance – Form #8  
 \_\_\_\_\_ Road Abandonment – Form #9  
 \_\_\_\_\_ Landings – Form #10  
 \_\_\_\_\_ Permanent and Temporary Crossings on N Waters -  
 Form #11  
 \_\_\_\_\_ Fords on Type N waters Form #13

Post survey evaluation Form – Form #14   X   (always needed)

**Information to Be Completed Pre-Survey:** (As reported on FPA)

**Type S or F RMZ** (For 2006, Segments will be the first segment listed on the FPA (example 1 or A))

**Ponderosa Pine or Mixed Conifer**

Stream Segment Identifier or Location \_\_\_\_\_

Harvest in Inner Zone: Y / N    Zone Requirements: \_\_\_\_\_ Inner Zone Width \_\_\_\_\_ Outer Zone Width

Site Class on FPA:                    I / II / III / IV / V

Site Class on FPARS:                    I / II / III / IV / V

Site Index (Mixed Conifer Only):    <90 / 90-110 / >110    Site Class/Index Correct:    Y / N

Stream Width: >15 ft    /    ≤15 ft                    CMZ Present: Y / N                    LWD Placement Strategy:    Y / N

Total Leave Trees Required: \_\_\_\_\_ Inner Zone                    \_\_\_\_\_ Outer Zone

Outer Zone Placement Strategy:            Dispersed / Clumped Sensitive Area / Clumped

## Eastside Form #1 (cont'd)

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### Type S or F RMZ (High Elevation Habitat Type)

Stream Segment Identifier or Location \_\_\_\_\_

Harvest in Inner Zone: Y / N    Zone Requirements: \_\_\_\_\_ Inner Zone Width \_\_\_\_\_ Outer Zone Width

Site Class on FPA/N:            I / II / III / IV / V    Site Class on FPARS: I / II / III / IV / V

Stream Width: >15 ft    /    ≤15 ft                      Stream Length:            \_\_\_\_\_ ft

Core Zone basal area: \_\_\_\_\_ ft<sup>2</sup>/acre    Total Leave Trees Required: \_\_\_\_\_ Inner Zone \_\_\_\_\_ Outer Zone

What is the basal area needed for this harvest dependent on Site Class? \_\_\_\_\_

Option 1 Max dbh for thin: \_\_\_\_\_ inch dbh

Outer Zone basal area Credit for:    CMZ / LWD / Floor Zone (Option 2 Only)

Outer Zone Placement Strategy:    Dispersed / Clumped Sensitive Area / Clumped

### Type Np RMZ

Stream Segment Identifier or Location \_\_\_\_\_

Harvest within 30' of bfw:            Yes / No

Length of entire reach in unit:            \_\_\_\_\_ ft

Designation:            Partial Cut / Clear-cut            Length of Clear-cut:            \_\_\_\_\_ ft

Sensitive Features:    50'    \_\_\_\_\_ Headwall Seep    \_\_\_\_\_ Side-slope Seep  
                                 56'    \_\_\_\_\_ 2 or More Np    \_\_\_\_\_ Pip    \_\_\_\_\_ Headwall Spring    \_\_\_\_\_

### Type Ns RMZ

Stream Segment Identifier or Location \_\_\_\_\_

### Road Activities

(Maps from FPA should be brought on Survey to Guide Analysis)

Total Length of Road Construction on FPA: \_\_\_\_\_ ft

Total Length of Road Maintenance on FPA: \_\_\_\_\_ ft

Total Length of Road Abandonment on FPA: \_\_\_\_\_ ft

Water Crossings:    Bridge /    Culvert /    Temp Bridge /    Temp Culvert /    Ford

Proximity of Road Work to Typed Water:    In or Over / Potential to Deliver / No Potential to Deliver

Number of Landings:            \_\_\_\_\_

### Pre-Survey Comments or Communications:

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**Eastside Form # 2**  
**S or F RMZ**  
**Ponderosa Pine Timber Habitat Type**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

1. Is the application within the Bull Trout Overlay? Y / N / NA / NC

**If YES to #1, answer questions 2 and 3, then skip to question 20.**

2. Was there harvest within the 75-foot buffer? Y / N / NA / NC

3. Was there a documented approved strategy in the FPA for harvesting within the 75 buffer? Y / N / NA / NC

**If NOT within the BTO, continue with the following questions:**

4. Was the stream size reported on FPA consistent with the field observation? Y / N / NA / NC

5. If no, did the discrepancy influence the inner zone width (should the stream be 15 ft bfw or  $\leq 15$  ft bfw?) Y / N / NA / NC

6. Was there any harvest within the 30-foot Core Zone? Y / N / NA / NC

7. Question deleted.

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**Inner zone harvest:** if no inner zone harvest was proposed, skip to question 20.

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**Stands with high basal area**

8. Did the harvest leave at least 50 trees per acre and a minimum leave tree basal area of 60 square feet per acre? Y / N / NA / NC

9. Were the 21 largest trees per acre left? Y / N / NA / NC

10. And along with #9, was there an additional 29 trees per acre that are 10 inch dbh or greater? Y / N / NA / NC

11. If there are more than 29 10 inch dbh or greater trees per acre, were they left in the following priority order? Y / N / NA / NC

- Trees that provide shade to water;
- Trees that lean towards the water;
- Trees of preferred species (see WAC 222-16-010);
- Trees that are evenly distributed across the inner zone;

**Turn over and complete Side 2** 

## Eastside Form #2 (cont'd)

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12. Were additional trees of at least 6 inches dbh left if more than 50 trees per acre were needed to reach the 60 square feet per acre? Y / N / NA / NC
13. If the minimum basal area per acre (60 sq. ft.) couldn't be met with less than 100 trees per acre of at least 6 inches dbh, were the largest trees left up to 100 trees per acre? Y / N / NA / NC

### Stands with low basal area and high density

14. Did thinning leave a minimum of 100 trees per acre? Y / N / NA / NC
15. Were the trees that were left the 50 largest trees per acre? Y / N / NA / NC
16. If yes to 15, were an additional 50 trees per acre greater than 6-inch dbh left? Y / N / NA / NC
17. If there were not 50 trees 6 inch dbh per greater per acre, were all trees 6 inch dbh left plus the largest remaining trees to equal 50 trees per acre left? Y / N / NA / NC
18. Question deleted.
19. Question deleted.

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### Outer zone harvest

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20. Did the landowner receive Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC
21. If yes to #20, did the landowner leave 5 dominant or co-dominant trees per acre in the Outer Zone? Y / N / NA / NC
22. If there was no LWD placement strategy, did the landowner leave 10 dominant or co-dominant trees per acre in the Outer Zone? Y / N / NA / NC

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### Salvage Questions: If no salvage was proposed, skip to question 29.

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23. Is there any salvage within the BFW of any typed water, Core Zone, or CMZ, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC

### Salvage in the Inner Zone

24. Does the residual stand meet stand requirements (see questions 8-19, above), including down trees that originated from the Inner Zone? Y / N / NA / NC

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## Eastside Form #2 (cont'd)

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25. If the proposed salvage involves down wood, was the following down wood requirement in the Inner Zone left after the salvage logging? Y / N / NA / NC

At least 12 tons per acre as follow:

- 6 pieces greater than 16 inches diameter and 20 feet in length
- 4 pieces greater than 6 inches in diameter and 20 feet in length

26. Was the salvage operation conducted to protect residual undamaged trees within the Inner Zone? Y / N / NA / NC

### Salvage in the Outer Zone

27. Does the residual stand meet the leave tree requirements (see questions 20-22) including down trees that originated from the Outer Zone? Y / N / NA / NC

28. If no Inner Zone salvage was proposed, is there any salvage within the Inner Zone, including any portion of those trees that may have fallen outside of it? Y / N / NA / NC

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**Stream adjacent parallel road in the inner zone:** If no stream adjacent parallel road, you are done with form.

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29. Can the minimum required basal area for the habitat type be met with the presence of the road?  
If yes, you are done with this form.  
If no, continue to question 30.

30. Was there harvest in the inner zone, including trees on the uphill side of the road? Y / N / NA / NC

31. Is the stream greater than 15 feet BFW?  
If yes, continue to question 32.  
If no, go to question 36.

### Stream greater than 15 feet BFW

32. Is the road edge that is closest to the stream 75 feet or more from the outer edge of BFW or CMZ?  
If yes, you are done with this form.  
If no (therefore, the road edge is less than 75 from BFW/CMZ), answer questions 33-35.

33. Were additional leave trees, equal in total basal area to the trees lacking due to the road, left near the streams in or adjacent to the harvested unit? Y / N / NA / NC

34. If no or not applicable to the above question, did the DNR determine that additional leave trees were not available or practical to be left? Documentation from the DNR should be in the FPA. Y / N / NA / NC

35. If yes to the above question, did the landowner(s) or operator(s) employ site specific management activities to replace lost riparian functions (i.e. LWD placement in streams)? This strategy should be documented in the FPA. Y / N / NA / NC
- You are done with this form.

**Continue to next page**

### Stream less than 15 feet BFW

- Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

**Comments and field observations (reasons) for any out of compliance calls:**

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## 2007 Compliance Monitoring Program Eastern Washington Field Forms

**Eastside Form # 3**  
**S or F RMZ**  
**Mixed Conifer Timber Habitat Type**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

1. Is the application within the Bull Trout Overlay? Y / N / NA / NC

**If YES to #1, answer questions 2 and 3, then skip to question 23.**

2. Was there harvest within the 75-foot buffer? Y / N / NA / NC

3. Was there a documented approved strategy in the FPA for harvesting within the 75 buffer? Y / N / NA / NC

**If NOT within the BTO, continue with the following questions.**

4. Was the stream size reported on FPA consistent with the field observation? Y / N / NA / NC

5. If no, did the discrepancy influence the inner zone width (should the stream be >15 ft bfw or ≤15 ft bfw?) Y / N / NA / NC

6. Was there any harvest in the 30-foot Core Zone? Y / N / NA / NC

7. Question deleted.

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**Inner zone harvest:** if no inner zone harvest was proposed, skip to question 23.

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**Stands with high basal area**

8. Did the harvest leave at least 50 trees per acre? Y / N / NA / NC

9. If yes to #8, was 70 square feet per acre basal area left on low index sites ( S.I. < 90)? Y / N / NA / NC

10. If yes to #8, was greater than 90 square feet per acre basal area left on medium site indexes (S.I. 90-110)? Y / N / NA / NC

11. If yes to #8, was greater than 110 square feet per acre basal area left on high site indexes (S.I. > than 110)? Y / N / NA / NC

12. Were the 21 largest trees left? Y / N / NA / NC

13. And were there an additional 29 trees per acre that are 10-inch dbh left? Y / N / NA / NC

**Turn over and complete Side 2**      



### Eastside Form #3 (cont'd)

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14. If there are more than 29 10 inch dbh or greater trees per acre, were they left in the following priority order? Y / N / NA / NC
- Trees that provide shade to water;
  - Trees that lean towards the water;
  - Trees of preferred species (see WAC 222-16-010);
  - Trees that are evenly distributed across the inner zone;
15. Were additional trees of 6 inches dbh left if more than 50 trees per acre were needed to reach the 60 square feet per acre requirement? Y / N / NA / NC
16. Were 100 trees of the largest remaining trees left regardless of basal area if the minimum basal area could not be met with fewer than 100 trees of at least 6-inch dbh. Y / N / NA / NC

#### Stands with low basal area and high density

17. Did thinning leave a minimum of 120 trees per acre? Y / N / NA / NC
18. Were the trees that were left the 50 largest trees per acre? Y / N / NA / NC
19. If yes to 18, were an additional 70 trees per acre greater than 6-inch dbh left? Y / N / NA / NC
20. If there were not 70 trees 6 inch dbh per greater per acre, were all trees 6-inch dbh left plus the largest remaining trees to equal 70 trees per acre. Y / N / NA / NC
21. Question deleted.
22. Question deleted.

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#### Outer zone harvest

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23. Did the landowner receive Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC
24. If yes to #23, did the landowner leave 8 dominant or co-dominant trees per acre in the Outer Zone? Y / N / NA / NC
25. If there was no LWD placement strategy, did the landowner leave 15 dominant or co-dominant trees per acre in the Outer Zone? Y / N / NA / NC

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#### Salvage Questions: If no salvage was proposed, skip to question 32.

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26. Is there any salvage within the BFW of any typed water, Core Zone, or CMZ, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC

**Continue to next page**

### Eastside Form #3 (cont'd)

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#### Salvage in the Inner Zone

27. Does the residual stand meet stand requirements (see questions 8-22, above), including down trees that originated from the Inner Zone? Y / N / NA / NC
28. If the proposed salvage involves down wood, was the following down wood requirement in the Inner Zone left after the salvage logging?  
At least 20 tons per acre as follow:  
  - 8 pieces greater than 16 inches diameter and 20 feet in length
  - 8 pieces greater than 6 inches in diameter and 20 feet in lengthY / N / NA / NC
29. Was the salvage operation conducted to protect residual undamaged trees within the Inner Zone? Y / N / NA / NC

#### Salvage in the Outer Zone

30. Does the residual stand meet the leave tree requirements (see questions 23-25) including down trees that originated from the Outer Zone? Y / N / NA / NC
31. If no Inner Zone salvage was proposed, is there any salvage within the Inner Zone, including any portion of those trees that may have fallen outside of it? Y / N / NA / NC

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**Stream adjacent parallel road in the inner zone:** If no stream adjacent parallel road, you are done with form.

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32. Can the minimum required basal area for the habitat type be met with the presence of the road?  
If yes, you are done with this form.  
If no, continue to question 33.
33. Was there harvest in the inner zone, including trees on the uphill side of the road? Y / N / NA / NC
34. Is the stream greater than 15 feet BFW?  
If yes, continue to question 35.  
If no, go to question 39.

#### Stream greater than 15 feet BFW

35. Is the road edge that is closest to the stream 75 feet or more from the outer edge of BFW or CMZ?  
If yes, you are done with this form.  
If no (therefore, the road edge is less than 75 from BFW/CMZ), answer questions 36-38.
36. Were additional leave trees, equal in total basal area to the trees lacking due to the road, left near the streams in or adjacent to the harvested unit? Y / N / NA / NC
37. If no or not applicable to the above question, did the DNR determine that additional leave trees were not available or practical to be left? Documentation from the DNR should be in the FPA. Y / N / NA / NC

**Continue to next page**

38. If yes to the previous question, did the landowner(s) or operator(s) employ site specific management activities to replace lost riparian functions (i.e. LWD placement in streams)? This strategy should be documented in the FPA. Y / N / NA / NC

- ### Stream less than 15 feet BFW

If no (therefore, the road edge is less than 50 from BFW/CMZ), answer questions 40-42.

41. If no or not applicable to the above question, did the DNR determine that additional leave trees were not available or practical to be left? Documentation from the DNR should be in the FPA. Y / N / NA / NC

42. If yes to the above question, did the landowner(s) or operator(s) employ site specific management activities to replace lost riparian functions (i.e. LWD placement in streams)? This strategy should be documented in the FPA. Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

**Comments and field observations (reasons) for any out of compliance calls:**

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<b>Signature:</b>	<b>Date</b>
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**Eastside Form # 4**  
**Inner Zone Harvest High Elevation Habitat Type**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

1. Is the application within the Bull Trout Overlay? Y / N / NA / NC

**If YES to #1, answer questions 2 and 3, then skip to question 10.**

2. Was there harvest within the 75-foot buffer? Y / N / NA / NC

3. Was there a documented approved strategy in the FPA for harvesting within the 75 buffer? Y / N / NA / NC

**If NOT within the BTO, continue with the following questions:**

4. Was the stream size reported in the FPA consistent with the field observation? Y / N / NA / NC

5. If no, did the discrepancy influence the inner zone width (should the stream be 15 ft bfw or  $\leq$ 15 ft bfw)? Y / N / NA / NC

6. Was there any harvest in the Core Zone? Y / N / NA / NC

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**Inner zone harvest:** If no inner zone harvest was proposed, skip to question 10.

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7. Did the harvest leave the appropriate basal area? Y / N / NA / NC  
Refer to Appendix G in Board Manual section 7.

8. Question deleted.

9. Question deleted.

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**Outer Zone harvest**

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10. Did the landowner receive Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

11. If yes to #10, did the landowner leave 10 dominant or co-dominant trees per acre in the Outer Zone? Y / N / NA / NC

12. If there was no LWD placement strategy, did the landowner leave 20 dominant or co-dominant trees per acre in the Outer Zone? Y / N / NA / NC

**Turn over and complete side 2**      

## Eastside Form #4 (cont'd)

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**Salvage Questions:** If no salvage was proposed, skip to question 19.

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13. Is there any salvage within the BFW of any typed water, Core Zone, or CMZ, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC

### Salvage in the Inner Zone

14. Does the residual stand meet stand requirements (see question 7, above), including down trees that originated from the Inner Zone? Y / N / NA / NC
15. If the proposed salvage involves down wood, was the following down wood requirement in the Inner Zone left after the salvage logging?  
At least 30 tons per acre as follow: Y / N / NA / NC
- 8 pieces greater than 16 inches diameter and 20 feet in length
  - 8 pieces greater than 6 inches in diameter and 20 feet in length

16. Was the salvage operation conducted to protect residual undamaged trees within the Inner Zone? Y / N / NA / NC

### Salvage in the Outer Zone

17. Does the residual stand meet the leave tree requirements (see questions 10-12) including down trees that originated from the Outer Zone? Y / N / NA / NC
18. If no Inner Zone salvage was proposed, is there any salvage within the Inner Zone, including any portion of those trees that may have fallen outside of it? Y / N / NA / NC

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**Stream adjacent parallel road in the inner zone:** If no stream adjacent parallel road, you are done with form.

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19. Can the minimum required basal area for the habitat type be met with the presence of the road?  
If yes, you are done with this form.  
If no, continue to question 20.
20. Was there harvest in the inner zone, including trees on the uphill side of the road? Y / N / NA / NC
21. Is the stream greater than 15 feet BFW?  
If yes, continue to question 22.  
If no, go to question 26.

### Stream greater than 15 feet BFW

22. Is the road edge that is closest to the stream 75 feet or more from the outer edge of BFW or CMZ?  
If yes, you are done with this form.  
If no (therefore, the road edge is less than 75 from BFW/CMZ), answer questions 23-25.

**Continue to next page**

### Eastside Form #4 (cont'd)

23. Were additional leave trees, equal in total basal area to the trees lacking due to the road, left near the streams in or adjacent to the harvested unit? Y / N / NA / NC
24. If no or not applicable to the above question, did the DNR determine that additional leave trees were not available or practical to be left? Documentation from the DNR should be in the FPA. Y / N / NA / NC
25. If yes to the previous question, did the landowner(s) or operator(s) employ site specific management activities to replace lost riparian functions (i.e. LWD placement in streams)? This strategy should be documented in the FPA. Y / N / NA / NC
- You are done with this form.

#### Stream less than 15 feet BFW

26. Is the road edge that is closest to the stream 50 feet or more from the outer edge of BFW or CMZ?  
If yes, you are done with this form.  
If no (therefore, the road edge is less than 50 from BFW/CMZ), answer questions 27-29.
27. Were additional leave trees, equal in total basal area to the trees lacking due to the road, left near the streams in or adjacent to the harvested unit? Y / N / NA / NC
28. If no or not applicable to the above question, did the DNR determine that additional leave trees were not available or practical to be left? Documentation from the DNR should be in the FPA. Y / N / NA / NC
29. If yes to the above question, did the landowner(s) or operator(s) employ site specific management activities to replace lost riparian functions (i.e. LWD placement in streams)? This strategy should be documented in the FPA. Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

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#### Comments and field observations (reasons) for any out of compliance calls:

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Eastside Form #5**  
**Np or Ns RMZ**

**FPA #** \_\_\_\_\_ **Date:** \_\_\_\_\_

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

**30 foot equipment limitation zone (Ns and harvested Np RMZs):**

- |   |                 |
|---|-----------------|
| 1. Is there evidence of equipment entry into the 30 ft Equipment Limitation Zone? | Y / N / NA / NC |
| 2. Was less than 10% of the soil exposed due to activities?                       | Y / N / NA / NC |
| 3. If >10% of soil was exposed, were mitigation conditions placed and followed?   | Y / N / NA / NC |
| 4. Is the stream consistent with type reported FPA?                               | Y / N / NA / NC |
- 

**Np Water RMZ**

**If no harvest in the RMZ, see question 18.**

**If partial cut, answer the following questions:**

- |   |                 |
|---|-----------------|
| 5. What is the acreage of the RMZ? (RMZ length X 50/43650) _____ acres                      |                 |
| 6. Were the largest 10 trees per acre retained? (inclusive of those that contributed to BA) | Y / N / NA / NC |
| 7. Were 50 trees per acre retained?   | Y / N / NA / NC |
| 8. Were all of the trees per acre $\geq 10''$ dbh?  | Y / N / NA / NC |
| 9. If no to #8, were any trees removed larger than stems retained?                          | Y / N / NA / NC |

**If clear-cut, answer the following questions:**

- |   |                 |
|---|-----------------|
| 10. Was an equal distance no-cut buffer designated and retained by the landowner?   | Y / N / NA / NC |
| 11. Was clear-cut RMZ less than 300 ft in length?   | Y / N / NA / NC |
| 12. Was $\geq 70\%$ of this reach in the unit retained as a no-cut or partial cut RMZ?  | Y / N / NA / NC |
| 13. Was clear-cut RMZ greater than 500 ft from all type F or S water?   | Y / N / NA / NC |
| 14. Was clear-cut RMZ greater than 50 ft from all headwall seeps, side slope seeps, headwater springs, alluvial fans and/or intersections of 2 or more Np waters? | Y / N / NA / NC |

**Turn over and complete Side 2** 

**Stream adjacent parallel roads Np streams.**

- For no harvest within the RMZ, answer the following question:**

18. Were any trees cut inside the no cut RMZ? Y / N / NA /NC

19. Was there salvage of the RMZ of any Type Np stream, or sensitive site? Y / N / NA / NC

20. Is there any salvage within the BFW of any Type N water? Y / N / NA / NC

**Comments and field observations (reasons) for any out of compliance calls:**

[illegible]

## 2007 Compliance Monitoring Program Eastern Washington Field Forms



**Eastside Form #6**  
**A or B WMZ and Forested Wetlands**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

- |   |                 |
|---|-----------------|
| 1. Were the wetlands typed and sized appropriately on the ground?<br>If no, explain in comment section of this form.  | Y / N / NA / NC |
| 2. Is the variable buffer width appropriate relative to the WMZ table<br>in WAC 222-30-020 (7)(a)?  | Y / N / NA / NC |
| 3. Where operations were conducted within the WMZ, were the resulting openings less<br>than 100 feet wide (as measured parallel to wetland edge)? If no, explain in comment<br>section.                 | Y / N / NA / NC |
| 4. Where operations were conducted within the WMZ, were the resulting openings no<br>closer than 200 feet from each other (as measured parallel to wetland edge)? If no, explain<br>in comment section. | Y / N / NA / NC |
| 5. Deleted question.  |                 |

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**Answer questions 6-8 if less than 10% of the harvest is within the WMZ. Skip to 9 if more than 10% of the harvest unit is within the WMZ.**

- |   |                 |
|---|-----------------|
| 6. Within the WMZ, are there a total of 75 trees per acre > 4 inches dbh?   | Y / N / NA / NC |
| 7. Of the 75 trees per acre in the WMZ, are at least 25 of these<br>≥12" dbh, where they exist?                             | Y / N / NA / NC |
| 8. Of the 25 trees per acre in the WMZ that are ≥12" dbh, are at least 5 of these<br>greater than 20" dbh where they exist? | Y / N / NA / NC |
- 
- |  |                 |
|--|-----------------|
| 9. Are the leave trees in the WMZ representative of species found in the pre-harvest<br>condition of the WMZ area (evaluate stumps)? | Y / N / NA / NC |
| 10. Were any ground based harvesting systems used within the minimum WMZ<br>without written approval of the Department?              | Y / N / NA / NC |
| 11. When WMZs overlap an RMZ, was the requirement which best protects the public<br>resource applied?                                | Y / N / NA / NC |
| 12. If any timber was felled into or cable yarded across Type A or B Wetlands,<br>was there written approval of the Department?      | Y / N / NA / NC |
| 13. If harvest occurred within forested wetlands, then was the harvest method limited<br>to low impact harvest or cable systems?     | Y / N / NA / NC |

**Turn over and complete Side 2 →**

14. If a forested wetland exists within the boundaries of a harvest unit and the area of the wetland is greater than 3 acres, were the approximate boundaries determined by the applicant?

15. Answer the following:

- a. Is 10% of the unit within a WMZ?

If true go to b.

If false you are done with this question

- b. Is the harvest unit a clear-cut less than 30 acres?

If true, go to d

If false, go to c

- c. Is the harvest unit a partial cut less than 80 acres?

If true, go to d

If false, you are done with this question

- d. Did the Landowner leave 38 trees per acre in the WMZ greater than 4 inches dbh, 13 of which are greater than 12 inches dbh, including 3 trees 20 inches dbh where they exist.

Y / N / NA / NC

**Comments and field observations (reasons) for any out of compliance calls:**

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<b>Signature</b>	<b>Date</b>
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**Eastern and Western Washington**  
Road Activity Field Forms

**Eastern and Western Washington  
Form # 7 Road Construction**  
FPA # \_\_\_\_\_ Date: \_\_\_\_\_

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

**\*=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

- |  |                |
|--|----------------|
| 1. Was water typed correctly on all waters using either physical criteria or a water type change?  | Y / N / NA /NC |
| 2. Was all diverted water returned to the basin from which it came?  | Y / N / NA /NC |
| 3. Were drainage structures installed at locations of seeps and springs to route water under the road prism to the forest floor to maintain hydrologic connectivity? | Y / N / NA /NC |
| *4. Does new road construction minimize stream crossings?  | Y / N / NA /NC |
| 5. Do roads run across typed water at a right angle?   | Y / N / NA /NC |
| 6. When stream crossings were required, were alterations to natural features minimized?  | Y / N / NA /NC |
| 7. Were all bogs or low nutrient fens completely avoided?  | Y / N / NA /NC |
| 8. Was there any road construction in a wetland?   | Y / N / NA /NC |
| 9. If #8 is yes, was the road prism and road length minimized in the wetland?  | Y / N / NA /NC |
| 10. If > .5 acre of a wetland were filled or drained due to activities, was the required replacement by substitution or enhancement completed?                       | Y / N / NA /NC |
| *11. Were culverts located and designed to minimize sediment delivery at stream crossings?   | Y / N / NA /NC |
| *12. Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters?   | Y / N / NA /NC |
| *13. Were roads outsloped, insloped, crowned, ditched or bermed to prevent sediment delivery?  | Y / N / NA /NC |
| *14. Were cross drains, sediment traps, ditchouts, water bars, or other Best Management Practices utilized to prevent sediment delivery?                             | Y / N / NA /NC |
| *15. Were all relief structures $\geq 18$ inches in diameter in Western Washington and $\geq 15$ inches in Eastern Washington ?                                      | Y / N / NA /NC |

**Turn over and complete Side 2** 

**Eastern and Western Washington Form #7 (cont'd)**

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- \*16. Where ditch out and relief culverts have been employed, were diversion structures placed close enough to the stream to divert most sediment to the forest floor? Y / N / NA /NC
- \*17. When water was routed to erodible soils, were relief culverts appropriately armored and/or vegetated to minimize scour? Y / N / NA /NC
- \*18. Where the potential for sediment delivery existed, was full bench construction utilized for roads built on slopes greater than 60%? Y / N / NA /NC
- \*19. If road construction produced end haul materials, were they placed in stable areas to prohibit the entry of material into the 100-year flood plain? Y / N / NA /NC
- \*20. Were rock armor headwalls and rock armored ditchblocks installed for drainage structure culverts located on erodible soils where the road has a gradient greater than 6%? Y / N / NA /NC
- \*21. Do relief structures efficiently capture and pass ditch-line flow? Y / N / NA /NC

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**Temporary Roads: Complete Road Abandonment Form #9 for any roads that were temporary and abandoned.**

22. Was the road designed and permitted to be temporary? Y / N / NA /NC
23. Was the road constructed in a manner to facilitate closure and abandonment when the intended use is completed? Y / N / NA /NC
24. Did the road design and culverts provide the same level of protection for public resources as required by the rules during the length of its use? Y / N / NA /NC
25. Was the road abandonment date identified on the FPA? Y / N / NA /NC
26. If yes, was the road abandoned by that date? Y / N / NA /NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

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**Comments and field observations (reasons) for any out of compliance calls:**

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**Signature:** \_\_\_\_\_ **Date** \_\_\_\_\_

**Eastern and Western Washington  
Form # 8 Road Maintenance**  
FPA # \_\_\_\_\_ Date: \_\_\_\_\_

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Y= Yes, N=No, NA = Not applicable, NC =No consensus

**\*=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

- |   |                 |
|---|-----------------|
| 1. If the department had conditioned that additional and/or larger water structures be installed, was this completed?   | Y / N / NC / NA |
| 2. Is the road surface maintained to direct groundwater that is captured by the road surface onto stable portions of the forest floor?                                      | Y / N / NC / NA |
| 3. During general maintenance of stream adjacent parallel roads, was all down wood blocking vehicle passage placed on the side of the road closest to water?                | Y / N / NC / NA |
| *4. Are drainage structures functional?   | Y / N / NC / NA |
| *5. Is groundwater captured in the ditchline diverted onto stable portions of the forest floor by using ditchouts, culverts or drivable dips?                               | Y / N / NC / NA |
| *6. Is road grade maintained to minimize erosion of the surface and subgrade?   | Y / N / NC / NA |
| *7. During and on completion of log, pulp, rock, chip, or specialized forest products haul and road building, has the road surface been crowned, outsloped or water barred? | Y / N / NC / NA |
| *8. Were berms removed except those designed for fill protection?   | Y / N / NC / NA |
| *9. Is the road surface maintained to minimize direct sediment entry to typed water?  | Y / N / NC / NA |

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

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**Comments and field observations (reasons) for any out of compliance calls:**

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**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Eastern and Western Washington  
Form #9 Road Abandonment**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

**\*=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

- \*1. Were roads out-sloped, water barred, or otherwise left in a condition suitable to control erosion and maintain water movement within wetlands and natural drainages? Y / N / NA / NC
- \*2. Were ditches left in a suitable condition to reduce erosion? Y / N / NA / NC
3. Was the road blocked so that four-wheel highway vehicles cannot pass the point of closure at the time of abandonment? Y / N / NA / NC
- \*4. Were water crossing structures and fills on all typed waters removed, except where the department has determined other measures would provide adequate protection to public resources? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

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**Comments and reasons for any out of compliance calls:** \_\_\_\_\_

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**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Eastern and Western Washington  
Form #10 Landings**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

**\*=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

- \*1. Was the sidecast or fill used for the landing no larger than reasonably necessary for safe operations? Y / N / NA / NC
2. Were truck roads, skid trails, and fire trails outsloped or cross drained uphill from landings and the water diverted to the forest floor away from the toe of the landing? Y / N / NA / NC
- \*3. Were appropriate efforts made to direct drainage away from the landing to minimize water accumulation on the landing? Y / N / NA / NC
- \*4. Was the landing sloped to keep water from collecting on the operational surface? Y / N / NA / NC
- \*5. Where there was a high potential for excavated materials to enter a WMZ, the bankfull width of any stream, or the 100-year floodplain, did the landowner endhaul the materials? Y / N / NA / NC
- \*6. Was the location of the landing outside of natural drainage channels, CMZs, RMZs, Core and Inner Zones (both F and N), Type A or B wetlands, and WMZs? Y / N / NA / NC
7. Are there any spoils located within the boundaries of Type A or B wetlands, or within the boundaries of a forested wetland without written approval of the department? Y / N / NA / NC
- \*8. Are there any piles of debris that are perched and pose a risk of delivering to typed waters? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

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**Comments and field observations (reasons) for any out of compliance calls:**

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**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_



**Eastern and Western Washington**  
**Form #11 Temporary and Permanent Crossings on Type N Water**  
**FPA # \_\_\_\_\_ Date: \_\_\_\_\_**

**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

**\*=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

**Answer the following for both permanent and temporary crossings**

\*1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project? Y / N / NA / NC

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**Permanent Crossings Only**

\*2. Do the culvert, its embankments and fills have erosion protection to withstand a 100-year flood? Y / N / NA / NC

3. Is the alignment and slope of the culvert on grade with the natural flow of the streambed? Y / N / NA / NC

4. Are all culverts at least 24 inches for Type Np waters? Y / N / NA / NC

\*5. Are all culverts at least 18 inches in Western Washington or 15 inches in Eastern Washington for Type Ns waters? Y / N / NA / NC

\*6. Was slash or debris that reasonably may be expected to plug the culvert cleared for a distance of 50 feet above the culvert. Y / N / NA / NC

7. Question deleted (duplicate of # 11 on Form 7).

8. Do the entrances to all culverts have adequate catch basins and headwalls to minimize the possibility of erosion or fill failure? Y / N / NA / NC

9. Question deleted (duplicate of #12 on Form 7).

\*10. Did the culvert installation prevent scouring of the stream bed and erosion of the banks in the vicinity of the project? Y / N / NA / NC

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**Temporary Crossings Only**

11. Are the temporary water crossings identified on the FPA? Y / N / NA / NC

**Turn over and complete Side 2** 

	Y	N	NA	NC
12. Were crossings installed and removed between the following time frames of the same year, unless otherwise conditioned in the FPA?				

- \*13. Was the crossing designed to pass the highest peak flow event expected to occur during the length of time of its use? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance and is set against a dark background.

## 2007 Compliance Monitoring Program Eastern Washington Field Forms

**Eastern and Western Washington  
Form #13 Fords**  
FPA # \_\_\_\_\_ Date: \_\_\_\_\_

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**Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)**

**\*=Pertains to water quality. If road activities DO NOT present a potential impact to resources check (NA)**

- |  |                 |
|--|-----------------|
| 1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project?                  | Y / N / NA / NC |
| 2. Does the ford, its embankments and fills have erosion protection to withstand a 100-year flood?   | Y / N / NA / NC |
| 3. Is the alignment and slope of the ford on grade with the natural flow of the streambed?   | Y / N / NA / NC |
| *4. Was sediment delivery minimized?   | Y / N / NA / NC |
| *5. Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters?                      | Y / N / NA / NC |
| 6. Are entry and exit points for each ford located as close to perpendicular to the stream as possible? (not running adjacent or parallel) | Y / N / NA / NC |
| 7. Are entry and exit points for each ford within 100 feet upstream or downstream of each other?   | Y / N / NA / NC |
| 8. Is the ford location shown on the FPA?  | Y / N / NA / NC |
| 9. Were Best Management Practices implemented for construction, maintenance, or use as required by conditions on the approved application? | Y / N / NA / NC |

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to [leslie.lingley@wadnr.gov](mailto:leslie.lingley@wadnr.gov) (jpgs are okay as long as descriptions are attached.)

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**Comments and field observations (reasons) for any out of compliance calls:**

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**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

## Eastside Form #14 Post Survey Evaluation

<b>FPA #:</b>	<b>Ownership:</b> SFL / Industrial	<b>Time Spent:</b>	<b>Terrain:</b> 0% - 30 / 31% - 50% / >51%	<b>Vegetation:</b> Open / Brushy / Very Brushy
<b>Date</b>				
<b>DNR Survey Lead:</b>	<b>DOE Survey Rep:</b>	<b>WDFW Survey Rep:</b>	<b>Other Attendees:</b>  <b>Representing:</b>	<b>Other Attendees:</b>  <b>Representing:</b>
<b>Other Attendees:</b>  <b>Representing</b>	<b>Other Attendees:</b>  <b>Representing</b>	<b>Other Attendees:</b>  <b>Representing</b>		

**Evaluation: Please fill out this section for each activity that was evaluated on the FPA. The form number corresponds to the question numbers on this form.**

- Did information on the FPA provide adequate means to evaluate the activities completed on the ground? (i.e. Was all information included on FPARS or was additional documentation required? Were activities accurately described? Were all exchanges, management options and deviations outlined?)

### 2. Ponderosa Pine Habitat Type (Form #2)

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
<b>Non-Compliance Level (use professional judgment):</b>		<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>

### 3. Mixed Conifer Habitat Type (Form #3)

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
<b>Non-Compliance Level (use professional judgment):</b>		<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>

**Compliance Monitoring  
Eastside Post Survey Evaluation – Form #14**

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**4. High Elevation Habitat Type (Form #4)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
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<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>
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**5. N RMZ (Form #5)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
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<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>
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**6. Wetlands (Form #6)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
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<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>
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**7. Road Construction (Form #7)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
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<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>
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**8. Road Maintenance (Form #8)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
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<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>
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**Compliance Monitoring  
Eastside Post Survey Evaluation – Form #14**

**9. Road Abandonment (Form #9)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>	

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**10. Landings (Form #10)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>	

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**11. Permanent and Temporary Crossings on Type N Waters (Form #11)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>	

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**12. Form Deleted (Temporary and Permanent Crossing combined in question #11)**

**13. Fords on Type N Waters (Form #13)**

<b>Status of Compliance:</b>	<b>Exceeds</b>	<b>Compliant</b>	<b>Out of Compliance</b>
<b>Non-Compliance Level (use professional judgment):</b>	<b>Trivial/Low Major/High</b>	<b>Apparent/Medium No Consensus</b>	

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**Signatures of representatives and date:**

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